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OM protein - protein search, using sw model

Run on: September 4, 2002, 16:09:16 : Search time 165.17 Seconds
(without alignments)
34.297 Million cell updates/sec

Title: US-09-052-089a-6
Perfect score: 293
Sequence: 1 LSLCTICSDPFDHSHRDVAAL.....IQWFETAPSRFCPOCRIOVG 51

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 747574 seqs, 111073796 residues

Total number of hits satisfying chosen parameters: 747574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
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23: /SIDS5/gcgdata/geneseq/geneseq-emb1/AA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	286	97.6	469	19 AAW37881	BRCA1 modulator pr
2	286	97.6	469	20 AAY30149	Amino acid sequenc
3	128	43.7	455	22 ABB61289	Drosophila melanog
4	127	43.3	225	22 AAE03224	Human gene 5 encod
5	127	43.3	359	22 AAE03206	Human gene 5 encod
6	123	42.0	158	22 ABB60559	Drosophila melanog
7	113	38.6	309	21 AAG33048	Arabidopsis thalia
8	113	38.6	309	21 AAG51101	Arabidopsis thalia
9	113	38.6	328	21 AAG23047	Arabidopsis thalia
10	113	38.6	328	21 AAG51100	Arabidopsis thalia
11	113	38.6	358	21 AAG23046	Arabidopsis thalia

12	113	38.6	358	21 AAG51099	Arabidopsis thalia
13	112	38.2	291	21 AAG44448	Arabidopsis thalia
14	112	38.2	344	21 AAG29289	Arabidopsis thalia
15	112	38.2	348	21 AAG29288	Arabidopsis thalia
16	112	38.2	356	21 AAG29287	Arabidopsis thalia
17	112	38.2	368	21 AAG44447	Arabidopsis thalia
18	112	38.2	410	21 AAG44446	Arabidopsis thalia
19	112	38.2	621	22 ABB58678	Drosophila melanog
20	111	37.9	296	21 AAG13718	Arabidopsis thalia
21	111	37.9	296	21 AAG50322	Arabidopsis thalia
22	111	37.9	325	21 AAG13717	Arabidopsis thalia
23	111	37.9	325	21 AAG50321	Arabidopsis thalia
24	111	37.9	362	21 AAG13716	Arabidopsis thalia
25	111	37.9	362	21 AAG50320	Arabidopsis thalia
26	107	36.5	51	22 AAG02003	Human secreted pro
27	107	36.5	350	22 ABB50167	Human transcriptio
28	107	36.5	551	18 AAM27150	HMG-CoA reductase
29	106	36.2	316	21 AAG38657	Arabidopsis thalia
30	106	36.2	346	21 AAG37253	Arabidopsis thalia
31	106	36.2	349	21 AAG38656	Arabidopsis thalia
32	106	36.2	351	21 AAG08030	Arabidopsis thalia
33	106	36.2	364	21 AAG37252	Arabidopsis thalia
34	106	36.2	367	21 AAG38655	Arabidopsis thalia
35	106	36.2	369	21 AAG08029	Arabidopsis thalia
36	106	36.2	380	21 AAG37251	Arabidopsis thalia
37	106	36.2	386	21 AAG08028	Arabidopsis thalia
38	106	36.2	405	22 AAG36644	Oryza sativa var.
39	105	35.8	83	21 AAG32709	Zea mays protein f
40	105	35.8	93	21 AAG32708	Zea mays protein f
41	105	35.8	154	21 AAG32707	Zea mays protein f
42	105	35.8	1256	22 ABB62798	Drosophila melanog
43	104	35.5	330	21 AAG29181	Arabidopsis thalia
44	104	35.5	339	21 AAG29180	Arabidopsis thalia
45	104	35.5	351	21 AAG29179	Arabidopsis thalia

ALIGNMENTS

RESULT 1	
AAW37881	AAW37881 standard; Protein; 469 AA.
ID	
XX	
XX	AAW37881;
AC	
XX	
DT	28-AUG-1998 (first entry)
XX	
DE	BRCA1 modulator protein 091-21A31.
XX	
KW	BRCA1 modulator protein; 091-21A31; breast cancer antigen 1;
KM	tumour suppressor protein; diagnosis; therapy; human.
XX	
XX	
OS	Homo sapiens.
XX	
FT	Key
FT	Domain
FT	Domain
FT	Domain
XX	
XX	WO9810066-A1.
PN	
XX	
PD	12-MAR-1998.
XX	
XX	06-AUG-1997; 97WO-0513944.
PE	
XX	
PR	04-SEP-1996; 96US-0025601.
XX	
PA	(ONXY-) ONXY PHARM INC.
XX	
XX	Ligenfelter C, Polakis P, Rubinfield B, Vuong TT;
PI	
XX	
DR	WPI; 1998-193616/17.

DR N-PSDB; AAV29062.
 XX Breast cancer antigen 1 modulator protein - useful for diagnosing
 PT diseases involving unwanted cell growth, e.g. breast cancer, and for
 PT producing therapeutics for treatment of such diseases
 XX
 PS Example 1; Fig 1; 73pp; English.
 CC This polypeptide comprises a 53 kDa BRCA1 modulator protein that
 CC binds to the tumour suppressor gene product BRCA1, and which is
 CC characterised by a zinc finger domain and a leucine zipper motif.
 CC Its amino acid sequence was deduced from the nucleotide sequence
 CC of a cDNA clone (see AAV29062), designated 091-21A31 (ATCC 98141),
 CC isolated from a HeLa cell cDNA library using a yeast two-hybrid
 CC assay. 3 cDNA clones (see also AAV29063-64) coding for BRCA1
 CC modulator proteins (see AAV37881-83) have been characterised. Vectors
 CC and host cells comprising the isolated nucleic acid sequences are
 CC claimed, as well as a process for producing BRCA1 modulator protein
 CC by culturing these host cells. BRCA1 modulator proteins and nucleic
 CC acids can be used to diagnose diseases involving unwanted cell
 CC growth, e.g. breast cancer, and to identify compounds that alter
 CC BRCA1 interaction with BRCA1 modulators for the treatment of such
 CC diseases.
 XX
 SQ Sequence 469 AA;
 Query Match 97.6%; Score 286; DB 19; Length 469;
 Best Local Similarity 98.0%; Pred. No. 7e-28;
 Matches 49; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 2 SLCTICSDFPDHSRDVAIHGHTFHLQCLIQWETAPSRTPCQCRIOVG 51
 Db 5 alclicsdffhdsrdvaahgchthqlqclqwtetapstpcqcrivq 54
 RESULT 2
 AAV30149 standard; Protein: 469 AA.
 XX
 AC AAV30149;
 DT 27-OCT-1999 (first entry)
 XX
 DE Amino acid sequence of a BRCA1 modulator protein.
 XX
 KW Modulator protein; BRCA1; tumour suppressor protein; breast cancer;
 KW ovarian cancer; cell growth; cell proliferation.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT Region 3..32
 FT /note="zinc finger motif"
 FT 230..255
 FT /note="leucine zipper motif"
 PN US5948643-A.
 XX
 PD 07-SEP-1999.
 XX
 PF 13-AUG-1997; 97US-0968751.
 XX
 PR 13-AUG-1997; 97US-0968751.
 XX
 PA (ONYX-) ONYX PHARM INC.
 PI Lingenfelter C, Polakis PG, Rubinfield B, Vuong TT;
 XX
 DR WPI; 1999-517952/43.
 DR N-PSDB; AAX86754.
 XX
 PT Modulator proteins that bind to and modulate the activity of the

PT BRCA1 tumour suppressor gene product, useful for the treatment of
 PT ovarian and breast cancer
 XX
 PS Example 1; Fig 1; 35pp; English.
 CC The present sequence represents a modulator protein, that binds to and
 CC modulate the activity of the BRCA1 gene product (BRCA1). The BRCA1
 CC protein has been characterized as a tumour suppressor protein.
 CC Alterations in the amino acid sequence of BRCA1 causes breast and ovarian
 CC cancers by removing the controls on cell growth and proliferation.
 CC Research has shown that different regions on the BRCA1 molecule have
 CC different effects on cell growth and tumour suppression (e.g. full length
 CC truncated BRCA1 has no effect on breast cancer cell growth but will
 CC inhibit ovarian cancer cell growth). It has been suggested that different
 CC host cell factors (e.g. proteins) interact with different regions of the
 CC BRCA1 to control its function. The identification of these proteins
 CC (e.g. BRCA1MP) will facilitate the development of novel diagnostic
 CC methods and new therapeutics for identifying and treating cancers caused
 CC by changes in the expression or activity of BRCA1.
 XX
 SQ Sequence 469 AA;
 Query Match 97.6%; Score 286; DB 20; Length 469;
 Best Local Similarity 98.0%; Pred. No. 7e-28;
 Matches 49; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 2 SLCTICSDFPDHSRDVAIHGHTFHLQCLIQWETAPSRTPCQCRIOVG 51
 Db 5 alclicsdffhdsrdvaahgchthqlqclqwtetapstpcqcrivq 54
 RESULT 3
 ABB61289 standard; Protein: 455 AA.
 XX
 AC ABB61289;
 DT 26-MAR-2002 (first entry)
 XX
 DE Drosophila melanogaster polypeptide SEQ ID NO 10659.
 XX
 KW Drosophila; developmental biology; cell signalling; insecticide;
 KW pharmaceutical.
 XX
 OS Drosophila melanogaster.
 XX
 PN WO200171042-A2.
 XX
 PD 27-SEP-2001.
 XX
 PF 23-MAR-2001; 2001WO-US09231.
 XX
 PR 23-MAR-2000; 2000US-191637P.
 PR 11-JUL-2000; 2000US-0614150.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PI Venter JC, Adams M, Li PWD, Myers EW;
 XX
 DR WPI; 2001-656860/75.
 DR N-PSDB; ABL05392.
 XX
 PT New isolated nucleic acid detection reagent for detecting 1000 or more
 PT genes from Drosophila and for elucidating cell signalling and cell-cell
 PT interactions -
 XX
 PS Disclosure; SEQ ID NO 10659; 21pp + sequence listing; English.
 XX
 CC The invention relates to an isolated nucleic acid detection reagent
 CC capable of detecting 1000 or more genes from Drosophila. The invention is
 CC useful in developmental biology and in elucidating cell signalling and
 CC cell-cell interactions in higher eukaryotes for the development of

CC insecticides, therapeutics and pharmaceutical drugs. The invention
CC discloses genomic DNA sequences (AB16176-AB16175), expressed DNA
CC sequences (AB101840-AB16175) and the encoded proteins
CC (AB57737-AB72072).
CC The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 455 AA:

Query Match 43.7%; Score 128; DB 22; Length 455;
Best Local Similarity 50.0%; Pred. No. 5.5e-08;
Matches 22; Conservative 6; Mismatches 14; Indels 2; Gaps 1;

OY 4 CTTCSDPFHSDRVAAIHCGHTFHLCLOIOWFETAPSRTPCPCR 47
DB 6 cvicaelfigqadevatvcghmhncinqwldr--sktcpcqr 47
| | | | | : | | | | | | | | | | : | | | | | |
| | | | | : | | | | | | | | | | : | | | | | |

RESULT 4
AAE03224
ID AAE03224 standard; Protein; 225 AA.
XX
AC AAE03224;
XX
DT 10-AUG-2001 (first entry)
XX
DE Human gene 5 encoded secreted protein HTLJF15, SEQ ID NO:74.
XX
KW Human: secreted protein; proliferative disorder; cancer; tumour; asthma;
KW foetal abnormality; developmental abnormality; haematopoietic disorder;
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
KW Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;
KW psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder;
KW inflammatory disorder; neurological disorder; Alzheimer's disease; food additive;
KW angiotensin disorder; kidney disorder; gastrointestinal disorder; allergy;
KW pregnancy-related disorder; endocrine disorder; infection; wound healing;
KW cell culture; chemotaxis; vulnery; binding partner identification;
KW gene therapy.
XX
XX Homo sapiens.
OS
XX
FH Key Location/Qualifiers
FT Peptide 1
FT /label= Signal_peptide
FT 2..225
FT Protein
FT /label= Mature_human_secreted_protein
FT 21
FT Misc-difference 21
FT /label= Unknown
FT /note= "Encoded by GNC on the inverse complementary
FT strand of the cDNA sequence (AAD07677)."
FT 45
FT Misc-difference 45
FT /label= Unknown
FT /note= "Encoded by TGM on the inverse complementary
FT strand of the cDNA sequence (AAD07677)."
XX
XX WO200134644-A1.
PD 17-MAY-2001.
XX
XX 08-NOV-2000; 2000WO-US30679.
PF
XX
PR 12-NOV-1999; 99US-0164834.
PR 04-AUG-2000; 2000US-0224007.
XX
XX (HUMAN) HUMAN GENOME SCI INC.
PA
XX
XX Ruben SM, Komatsoulis GA, Olsen HS, Duan RD, Ebner R;
PI
XX
DR WPI, 2001-329070/34.
DR N-PSDB; AAD07677.
XX

PT Isolated nucleic acid molecule encoding a human secreted protein is
PT used in preventing, treating or ameliorating a medical condition -
XX
PS Claim 11; Page 450; 499pp; English.
XX
XX AAD07655-AAD07695 represent cDNAs corresponding to 15 human secreted
CC protein genes, and AAE03202-AAE03242 represent the proteins they encode.
CC AAE03243-AAE03280 represent human secreted protein fragments or variants.
CC The secreted proteins and their genes are useful for preventing, treating
CC or ameliorating medical conditions, e.g., by protein or gene therapy.
CC Pathological conditions can be diagnosed by determining the amount of the
CC new protein in a sample or by determining the presence of mutations in
CC the new genes. Specific uses are described for each of the 15 genes.
CC based on the tissues in which they are most highly expressed, and include
CC developing products for the diagnosis or treatment of proliferative
CC disorders, cancer, tumours, foetal and developmental abnormalities,
CC haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
CC diseases (e.g., rheumatoid arthritis), inflammation, allergies,
CC neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
CC angiotensin disorders, kidney disorders, gastrointestinal disorders,
CC pregnancy-related disorders, endocrine disorders, and infections. The
CC proteins can also be used to aid wound healing and epithelial cell
CC proliferation, to prevent skin aging due to sunburn, to maintain organs
CC before transplantation, for supporting cell culture of primary tissues,
CC to regenerate tissues, to identify their cognate ligands or binding
CC partners, and in chemotaxis, and can be used as a food additive or
CC preservative to modify storage properties. Antibodies specific for a
CC protein of the invention can be used in alleviating symptoms associated
CC with the disorders mentioned above, and in diagnostic immunoassays e.g.,
CC radioimmunoassay or enzyme linked immunosorbent assay (ELISA).
CC The present sequence represents a human secreted protein of
the invention.
XX
XX
SQ Sequence 225 AA:

Query Match 43.3%; Score 127; DB 22; Length 225;
Best Local Similarity 39.6%; Pred. No. 3.5e-08;
Matches 19; Conservative 9; Mismatches 20; Indels 0; Gaps 0;

OY 3 LCTTCSDPFHSDRVAAIHCGHTFHLCLOIOWFETAPSRTPCPCR 50
DB 70 lcaicldyeegdqkrlpeshthycckldcpwtsqprtrpcpckgsv 117
| | | | | : | | | | | | | | | | : | | | | | |
| | | | | : | | | | | | | | | | : | | | | | |

RESULT 5
AAE03206
ID AAE03206 standard; Protein; 359 AA.
XX
AC AAE03206;
XX
DT 10-AUG-2001 (first entry)
XX
DE Human gene 5 encoded secreted protein HTLJF15, SEQ ID NO:56.
XX
KW Human: secreted protein; proliferative disorder; cancer; tumour; asthma;
KW foetal abnormality; developmental abnormality; haematopoietic disorder;
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
KW Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;
KW psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder;
KW inflammatory disorder; neurological disorder; Alzheimer's disease; food additive;
KW angiotensin disorder; kidney disorder; gastrointestinal disorder; allergy;
KW pregnancy-related disorder; endocrine disorder; infection; wound healing;
KW cell culture; chemotaxis; vulnery; binding partner identification;
KW gene therapy.
XX
XX Homo sapiens.
OS
XX
FH Key Location/Qualifiers
FT Peptide 1..28
FT /label= Signal_peptide

FT Protein 29..359
 FT /Label= Mature_human_secreted_protein
 PN WO200134644-A1.
 XX
 PD 17-MAY-2001.
 XX
 PF 08-NOV-2000; 2000MO-US30679.
 XX
 PR 12-NOV-1999; 99US-0164834.
 PR 04-AUG-2000; 2000US-0224007.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 XX
 PI Ruben SM, Komatsoullis GA, Olsen HS, Duan RD, Ebner R;
 XX
 DR MPI; 2001-329070/34.
 DR N-PSDB; AAD07659.
 XX
 PT Isolated nucleic acid molecule encoding a human secreted protein is
 PT used in preventing, treating or ameliorating a medical condition -
 XX
 PS Claim 11: Page 431-432; 499pp; English.
 XX
 CC AAD07655-AAD07695 represent cDNAs corresponding to 15 human secreted
 CC protein genes, and AAE03202-AAE03242 represent the proteins they encode.
 CC AAE03243-AAE03280 represent human secreted protein fragments or variants.
 CC The secreted proteins and their genes are useful for preventing, treating
 CC or ameliorating medical conditions, e.g., by protein or gene therapy.
 CC Pathological conditions can be diagnosed by determining the amount of the
 CC new protein in a sample or by determining the presence of mutations in
 CC the new genes. Specific uses are described for each of the 15 genes,
 CC based on the tissues in which they are most highly expressed, and include
 CC developing products for the diagnosis or treatment of proliferative
 CC disorders, cancer, tumours, foetal and developmental abnormalities,
 CC haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
 CC diseases (e.g., rheumatoid arthritis), inflammation, allergies,
 CC neurological disorders, schizophrenia, asthma, skin disorders (e.g.,
 CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
 CC angiogenic disorders, kidney disorders, gastrointestinal disorders,
 CC pregnancy-related disorders, endocrine disorders, and infections. The
 CC proteins can also be used to aid wound healing and epithelial cell
 CC proliferation, to prevent skin aging due to sunburn, to maintain organs
 CC before transplantation, for supporting cell culture of primary tissues,
 CC to regenerate tissues, to identify their cognate ligands or binding
 CC partners, and in chemotaxis, and can be used as a food additive or a
 CC preservative to modify storage properties. Antibodies specific for a
 CC protein of the invention can be used in alleviating symptoms associated
 CC with the disorders mentioned above, and in diagnostic immunoassays e.g.,
 CC radioimmunoassay or enzyme linked immunosorbent assay (ELISA).
 CC The present sequence represents a human secreted protein of
 CC the invention.
 CC
 XX
 SQ Sequence 359 AA:
 XX
 Query Match 43.3%; Score 127; DB 22; Length 359;
 Best Local Similarity 39.6%; Pred. No. 5.7e-08;
 Matches 19; Conservative 9; Mismatches 20; Indels 0; Gaps 0;
 QY 3 LCTICSDFFDHSRDVAIHCHTFHLOCLIQWETAPSRTPCPCRIQ 50
 DB 238 lcaicdeyeegqklklpeshlyhckicldpwtfsqprtrscpcrkqgv 285
 RESULT 6
 ABB60559
 ID ABB60559 standard; Protein; 158 AA.
 XX
 AC ABB60559;
 XX
 DT 26-MAR-2002 (first entry)

XX
 DE Drosophila melanogaster polypeptide SEQ ID NO 8469.
 XX
 KM Drosophila; developmental biology; cell signalling; insecticide;
 KM pharmaceutical.
 XX
 OS Drosophila melanogaster.
 XX
 PN WO200171042-A2.
 XX
 PD 27-SEP-2001.
 XX
 PF 23-MAR-2001; 2001MO-US09231.
 XX
 PR 23-MAR-2000; 2000US-191637P.
 PR 11-JUL-2000; 2000US-0614150.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PI Venter JC, Adams M, Li PMD, Myers EW;
 XX
 DR MPI; 2001-656860/75.
 DR N-PSDB; ABL04662.
 XX
 PT New isolated nucleic acid detection reagent for detecting 1000 or more
 PT genes from Drosophila and for elucidating cell signalling and cell-cell
 PT interactions -
 XX
 PS Disclosure; SEQ ID NO 8469; 21pp + Sequence Listing; English.
 XX
 CC The invention relates to an isolated nucleic acid detection reagent
 CC capable of detecting 1000 or more genes from Drosophila. The invention is
 CC useful in developmental biology and in elucidating cell signalling and
 CC cell-cell interactions in higher eukaryotes for the development of
 CC insecticides, therapeutics and pharmaceutical drugs. The invention
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA
 CC sequences (ABL01840-ABL16175) and the encoded proteins
 CC (AB57737-AB572072).
 CC The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 CC
 XX
 SQ Sequence 158 AA:
 XX
 Query Match 42.0%; Score 123; DB 22; Length 158;
 Best Local Similarity 51.1%; Pred. No. 7.6e-08;
 Matches 24; Conservative 4; Mismatches 17; Indels 2; Gaps 1;
 QY 3 LCTICSDFFDHSRDVAIHCHTFHLOCLIQWETAPSRTPCPCRIQ 49
 DB 7 lcticerftsnlqagsgchafhedcldhw--rtgrtcplcrsq 51
 RESULT 7
 AAG23048
 ID AAG23048 standard; Protein; 309 AA.
 XX
 AC AAG23048;
 XX
 DT 17-OCT-2000 (first entry)
 XX
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 26208.
 XX
 KM Protein identification; signal transduction pathway; metabolic pathway;
 KM hybridisation assay; genetic mapping; gene expression control; promoter;
 KM termination sequence.
 XX
 OS Arabidopsis thaliana.
 XX
 PN EP1033405-A2.
 XX
 PD 06-SEP-2000.

XX 25-FEB-2000; 2000EP-0301439.
PF
XX
PR 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.
PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
PR 16-APR-1999; 99US-0129845.
PR 19-APR-1999; 99US-0130077.
PR 21-APR-1999; 99US-0130449.
PR 23-APR-1999; 99US-0130510.
PR 23-APR-1999; 99US-0130891.
PR 28-APR-1999; 99US-0131449.
PR 30-APR-1999; 99US-0132048.
PR 30-APR-1999; 99US-0132407.
PR 04-MAY-1999; 99US-0132484.
PR 05-MAY-1999; 99US-0132485.
PR 06-MAY-1999; 99US-0132486.
PR 06-MAY-1999; 99US-0132487.
PR 07-MAY-1999; 99US-0132863.
PR 11-MAY-1999; 99US-0134256.
PR 14-MAY-1999; 99US-0134218.
PR 14-MAY-1999; 99US-0134219.
PR 14-MAY-1999; 99US-0134221.
PR 14-MAY-1999; 99US-0134370.
PR 18-MAY-1999; 99US-0134768.
PR 19-MAY-1999; 99US-0134941.
PR 20-MAY-1999; 99US-0135124.
PR 21-MAY-1999; 99US-0135353.
PR 24-MAY-1999; 99US-0135629.
PR 25-MAY-1999; 99US-0136021.
PR 27-MAY-1999; 99US-0136392.
PR 28-MAY-1999; 99US-0136782.
PR 01-JUN-1999; 99US-0137222.
PR 03-JUN-1999; 99US-0137528.
PR 04-JUN-1999; 99US-0137502.
PR 07-JUN-1999; 99US-0137724.
PR 08-JUN-1999; 99US-0138094.
PR 10-JUN-1999; 99US-0138540.
PR 10-JUN-1999; 99US-0138847.
PR 14-JUN-1999; 99US-0139119.
PR 16-JUN-1999; 99US-0139452.
PR 16-JUN-1999; 99US-0139453.
PR 17-JUN-1999; 99US-0139492.
PR 18-JUN-1999; 99US-0139454.
PR 18-JUN-1999; 99US-0139455.
PR 18-JUN-1999; 99US-0139456.
PR 18-JUN-1999; 99US-0139457.
PR 18-JUN-1999; 99US-0139458.
PR 18-JUN-1999; 99US-0139459.
PR 18-JUN-1999; 99US-0139460.
PR 18-JUN-1999; 99US-0139461.
PR 18-JUN-1999; 99US-0139462.
PR 18-JUN-1999; 99US-0139463.
PR 18-JUN-1999; 99US-0139750.
PR 18-JUN-1999; 99US-0139763.
PR 21-JUN-1999; 99US-0139817.
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XX Protein identification; signal transduction pathway; metabolic pathway;
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KM termination sequence.

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PR 23-AUG-1999; 99US-0149920.
PR 25-AUG-1999; 99US-0150556.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
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PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
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PR 16-SEP-1999; 99US-0154039.
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PR 04-OCT-1999; 99US-0157117.
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PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 38.6%; Score 113; DB 21; Length 328;
Best Local Similarity 36.0%; Pred. No. 3e-06;
Matches 18; Conservative 9; Mismatches 21; Indels 2; Gaps 1;

Oy 1 LSLCTICDPFDHSDVAIRHCGHTFHLQCLIQWETAPSRTCQCRIOV 50
Db 213 mngcavcmdefdgsdvkqmpckhvfhdqcllpwlel--hncspvcrfel 260

RESULT 11
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AC AAC23046;
XX
DT 17-OCT-2000 (first entry)
XX
DE Arabidopsis thaliana protein fragment SEQ ID NO: 26206.
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
XX termination sequence.
OS Arabidopsis thaliana.
OS
PN EPI033405-A2.
XX
PD 06-SEP-2000.
XX
PE 25-FEB-2000; 2000EP-0301439.
XX
PR 25-FEB-1999; 99US-0121825.
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PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
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PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
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PR 25-OCT-1999; 99US-0161405.
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PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 38.6%; Score 113; DB 21; Length 358;
Best Local Similarity 36.0%; Pred. No. 3.3e-06;
Matches 18; Conservative 9; Mismatches 21; Indels 2; Gaps 1;

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DT 18-OCT-2000 (first entry)
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DE Arabidopsis thaliana protein fragment SEQ ID NO: 64820.
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KW Protein identification; signal transduction pathway; metabolic pathway;
hybridisation assay; genetic mapping; gene expression control; promoter;
termination sequence.
XX
OS Arabidopsis thaliana.
XX
PN EP1033405-A2.
PD 06-SEP-2000.
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PE 25-FEB-2000; 2000EP-0301439.
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PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
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PR 06-APR-1999; 99US-0128234.
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PR 25-MAY-1999; 99US-0136021.
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PR 01-JUN-1999; 99US-0137222.
PR 03-JUN-1999; 99US-0137528.
PR 04-JUN-1999; 99US-0137502.
PR 07-JUN-1999; 99US-0137724.
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PR 01-JUL-1999; 99US-0141842.
PR 01-JUL-1999; 99US-0142154.
PR 02-JUL-1999; 99US-0142055.
PR 06-JUL-1999; 99US-0142390.
PR 08-JUL-1999; 99US-0142803.
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PR 02-AUG-1999; 99US-0146386.
PR 02-AUG-1999; 99US-0146388.
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Query Match' 38.6%; Score 113; DB 21; Length 358; Best Local Similarity 36.0%; Pred. No. 3.3e-06;		
Matches 18; Conservative 9; Mismatches 21; Indels 2; Gaps 1;		
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DT	18-OCT-2000 (first entry)	
XX		
DE	Arabidopsis thaliana protein fragment SEQ ID NO: 55680.	
KM	Protein identification; signal transduction pathway; metabolic pathway;	
KW	hybridisation assay; genetic mapping; gene expression control; promoter;	
XX	termination sequence.	
OS	Arabidopsis thaliana.	
XX		
PN	EPI033405-A2.	
XX		
PD	06-SEP-2000.	
XX		
PX	25-FEB-2000; 2000EP-0301439.	
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PR	25-FEB-1999;	99US-0121825.
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PR	09-MAR-1999;	99US-0123548.
PR	23-MAR-1999;	99US-0125788.
PR	25-MAR-1999;	99US-0126264.
PR	29-MAR-1999;	99US-0126785.
PR	01-APR-1999;	99US-0127462.
PR	06-APR-1999;	99US-0128234.
PR	08-APR-1999;	99US-0128714.
PR	16-APR-1999;	99US-0129845.
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PR	23-APR-1999;	99US-0130510.
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PR	28-APR-1999;	99US-0131449.
PR	30-APR-1999;	99US-0132048.
PR	30-APR-1999;	99US-0132407.
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PR	05-MAY-1999;	99US-0132485.
PR	06-MAY-1999;	99US-0132486.
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PR	27-MAY-1999;	99US-0136392.
PR	01-JUN-1999;	99US-0137222.
PR	03-JUN-1999;	99US-0137528.
PR	04-JUN-1999;	99US-0137502.
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Query Match 38.2%; Score 112; DB 21; Length 291;
Best Local Similarity 36.4%; Pred. No. 3.5e-06;
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PR 27-AUG-1999; 99US-0151080.
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PR 22-SEP-1999; 99US-0155139.
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PR 29-OCT-1999; 99US-0162142.

Query Match 38.2%; Score 112; DB 21; Length 344;
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RESULT 15
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AC AAG29288;
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DT 17-OCT-2000 (first entry)
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
OS Arabidopsis thaliana.
PN EPI033405-A2.
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PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-0301439.
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DT	17-OCT-2000 (first entry)				
XX					
DE	Arabidopsis thaliana protein fragment SEQ ID NO: 34820.				

XX Protein identification; signal transduction pathway; metabolic pathway;
KM hybridisation assay; genetic mapping; gene expression control; promoter;
KM termination sequence.
XX
OS *Arabidopsis thaliana*.
XX
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PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-0301439.
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AC ABB58678;
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DT 26-MAR-2002 (first entry)
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DE Drosophila melanogaster polypeptide SEQ ID NO 2826.
XX
KW Drosophila; developmental biology; cell signalling; insecticide;
KW pharmaceutical.
XX
OS Drosophila melanogaster.
XX
PN WO200171042-A2.
XX
PD 27-SEP-2001.
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PF 23-MAR-2001; 2001WO-US09231.
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PR 23-MAR-2000; 2000US-191637P.
PR 11-JUL-2000; 2000US-0614150.
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PA (PEKE) PE CORP NY.
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PI Venter JC, Adams M, Li PWD, Myers EW;
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DR WPI; 2001-656860/75.
DR N-PSDB; ABL02781.

XX
PT New isolated nucleic acid detection reagent for detecting 1000 or more
PT genes from Drosophila and for elucidating cell signalling and cell-cell
PT interactions -
XX
PS Disclosure: SEQ ID NO 2826; 21pp + Sequence Listing; English.
XX
XX The invention relates to an isolated nucleic acid detection reagent
CC capable of detecting 1000 or more genes from Drosophila. The invention is
CC useful in developmental biology and in elucidating cell signalling and
CC cell-cell interactions in higher eukaryotes for the development of
CC insecticides, therapeutics and pharmaceutical drugs. The invention
CC discloses genomic DNA sequences (AB161716-AB130511), expressed DNA
CC sequences (AB101840-AB161715) and the encoded proteins
CC (AB057737-AB072072).
CC The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
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SQ Sequence 621 AA;

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DT 17-OCT-2000 (first entry)
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DE Arabidopsis thaliana protein fragment SEQ ID NO: 13316.

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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.

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OS Arabidopsis thaliana.

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 PF 13-MAR-2001; 2001WO-US08117.
 XX
 PR 13-MAR-2000; 2000US-0188986.
 XX
 PA (INCY-) INCYTE GENOMICS INC.
 XX
 PI Hillman JL, Baughn MR, Yue H, Lal P, Lu DAM, Patterson C;
 PI Azimzai Y, Bandman O, Tang YT, Mathur P, Shah P, Au-Young J;
 PI Reddy R;
 DR WPI: 2001-570896/64.
 DR N-PSDB: ABA82991.
 XX
 PT Novel transcription factor polypeptides, used to treat diseases
 PT associated with altered activity and expression of TRFX, and to screen
 PT for agents capable of modulating its activity -
 XX
 PS Claim 1; Pages 160-161; 327pp; English.
 XX
 CC The present sequence is the protein sequence for a human transcription
 CC factor. The transcription factor and its coding sequence are useful in
 CC the diagnosis, treatment and prevention of diseases associated with
 CC altered expression of the transcription factor e.g. cell proliferative,
 CC autoimmune/inflammatory, neurological and developmental disorders. A
 CC number of specific disorders/diseases are given in the specification,
 CC including: arteriosclerosis, cirrhosis, hepatitis, cancers, AIDS,
 CC allergies, anaemia, asthma, autoimmune thyroiditis, bronchitis, atopic
 CC dermatitis, diabetes mellitus, emphysema, Goodpasture's syndrome, gout,
 CC Grave's disease, multiple sclerosis, osteoarthritis, pancreatitis,
 CC psoriasis, rheumatoid arthritis, systemic lupus erythematosus, ulcerative
 CC colitis, uveitis, Alzheimer's disease, Huntington's disease, Parkinson's
 CC disease, stroke, and viral, bacterial, fungal and protozoal infections.
 CC
 XX
 SQ Sequence 350 AA;
 QY
 Db 4 CTICSDFFDHSRDVAAIHCGHTFHLQCLIQWETAPSRPCPCRIQV 50
 1111 : 11 : 1111 1: 11 : 11 11 :
 298 ctclslsleegedvrrlpcmlfhgvcvqdlit-nkkpcrlcvdi 342
 RESULT 28
 AAW27150
 ID AAW27150 standard; Protein: 551 AA.
 XX
 AC AAW27150;
 XX
 DT 08-DEC-1997 (first entry)
 XX
 DE HMG-CoA reductase degradation polypeptide 1 HRDL.
 XX
 KW 3-hydroxy-3-methylglutaryl: coenzyme A; cholesterol; Hrd1p; Hrd2p;
 KW Hrd3p; hypercholesterolaemia; yeast.
 XX
 OS Saccharomyces cerevisiae.
 XX
 PN W09707219-A2.
 XX
 PD 27-FEB-1997.
 XX

PF 16-AUG-1996; 96WO-1B01161.
 XX
 PR 17-AUG-1995; 95US-0002381.
 XX
 PA (REGC) UNIV CALIFORNIA.
 XX
 PI Hampton R, Rine JD;
 PI
 DR WPI: 1997-165303/15.
 DR N-PSDB: AAT85271.
 XX
 PT 3-hydroxy-3-methylglutaryl CoA reductase degradation polypeptide(s)
 PT - useful as therapeutic agents to reduce hypercholesterolaemia
 XX
 PS Claim 4; Fig 8A; 132pp; English.
 XX
 CC The present sequence represents the 3-hydroxy-3-methylglutaryl
 CC (HMG)-CoA reductase degradation (HRD) protein Hrd1p. The HRD1 gene
 CC encodes the Hrd1p protein. Hrd proteins can be used to regulate the
 CC degradation of HMG-CoA reductase, e.g. as therapeutic agents to reduce
 CC hypercholesterolaemia, and to elucidate how the cholesterol pathway
 CC modulates the degradation of HMG-CoA reductase. In addition, as a result
 CC of their ability to bind the proteasome complex, antibodies that
 CC specifically bind Hrd polypeptides can be used to isolate the proteasome
 CC complex. Further, they can be used in various assays to identify
 CC compounds that modify the degradation of HMG-CoA reductase independently
 CC of the beneficial LDL receptor control axis. The nucleic acid molecules
 CC can be used as molecular probes for the isolation of homologous nucleic
 CC acid molecules and for the detection of HRD nucleic acid molecules in
 CC yeast.
 XX
 SQ Sequence 551 AA;
 QY
 Db 2 SLCTICSDFFDHS-----BDVAAIHCGHTFHLQCLIQWETAPSRPCPCRIQV 50
 : : 11 11 : : 1111 11 : : 1111 11 :
 347 nclclmelhlnspqglwknkxkpkrtlpcghllhslcnmer--sqtcpcrlcpv 403
 RESULT 29
 AAG38657
 ID AAG38657 standard; Protein: 316 AA.
 XX
 AC AAG38657;
 XX
 DT 18-OCT-2000 (first entry)
 XX
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 47723.
 XX
 KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX
 OS Arabidopsis thaliana.
 XX
 PN EP1033405-A2.
 XX
 PD 06-SEP-2000.
 XX
 PF 25-FEB-2000; 2000EP-0301439.
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 PR 25-FEB-1999; 99US-0121825.
 PR 05-MAR-1999; 99US-0123180.
 PR 09-MAR-1999; 99US-0123548.
 PR 23-MAR-1999; 99US-0125788.
 PR 25-MAR-1999; 99US-0126284.
 PR 29-MAR-1999; 99US-0126785.
 PR 01-APR-1999; 99US-0127462.
 PR 06-APR-1999; 99US-0128234.
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PR 08-APR-1999; 99US-0128714.
PR 16-APR-1999; 99US-0129845.
PR 19-APR-1999; 99US-0130077.
PR 21-APR-1999; 99US-0130449.
PR 23-APR-1999; 99US-0130510.
PR 23-APR-1999; 99US-0130891.
PR 28-APR-1999; 99US-0131449.
PR 30-APR-1999; 99US-0132048.
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PR 04-MAY-1999; 99US-0132484.
PR 05-MAY-1999; 99US-0132485.
PR 06-MAY-1999; 99US-0132486.
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PR 07-MAY-1999; 99US-0132863.
PR 11-MAY-1999; 99US-0134256.
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PR 09-AUG-1999; 99US-0147935.
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PR 23-SEP-1999; 99US-0155486.
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PR 05-OCT-1999; 99US-0157753.
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PR 13-OCT-1999; 99US-0159293.
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PR	25-OCT-1999;	9905-0161040.
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PR	28-OCT-1999;	9905-0161920.
PR	28-OCT-1999;	9905-0161921.
PR	28-OCT-1999;	9905-0161993.
PR	29-OCT-1999;	9905-0162142.

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	Matches 16;	Conservative		
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RESULT 30
AAG37253
ID AAG37253 standard; Protein; 346 AA.

AC AAG37253;

DT 18-OCT-2000 (first entry)

DE Arabidopsis thaliana protein fragment SEQ ID NO: 45776.

KM Protein identification; signal transduction pathway; metabolic pathway;
KM hybridisation assay; genetic mapping; gene expression control; promoter;
KM termination sequence.

OS *Arabidopsis thaliana*.

PN EP1033405-A2.

PD 06-SEP-2000.

PF 25-FEB-2000; 2000EP-0301439.

PR 25-FEB-1999; 99US-0121825.

PR	09-MAR-1999:	99US-0123548.
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PR 25-MAR-1999: 99JIS-0126264

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PR	01-APR-1999.	99US-0127A63

PR	06-APR-1999;	99US-0128234.
PR	08-APR-1999;	99US-0138714.

PR 16-APR-1999; 99US-0129845.
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PR 21-APR-1999; 99US-0130449.

PR 23-APR-1999; 99US-0130891.

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PR	22-OCT-1999;	99US-0160981.
PR	22-OCT-1999;	99US-0160989.
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PR	25-OCT-1999;	99US-0161406.
PR	26-OCT-1999;	99US-0161359.
PR	26-OCT-1999;	99US-0161360.
PR	26-OCT-1999;	99US-0161361.
PR	28-OCT-1999;	99US-0161920.
PR	28-OCT-1999;	99US-0161992.
PR	28-OCT-1999;	99US-0161993.
PR	29-OCT-1999;	99US-0162142.
Query Match		
Best Local Similarity	36.2%;	Score 106; DB 21; Length 346;
Matches 16; Conservative	36.4%;	Pred. No. 2.4e-05;
	8; Mismatches 18; Indels 2; Gaps 1.	
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Db	298 cticqdeyakevgelrcghrfrhidcvngwl--vrkncspvck 339	
RESULT 31		
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ID	AAG38656 standard; Protein: 349 AA.	
XX AC	AAG38656;	
XX DT	18-OCT-2000 (first entry)	
DE XX	Arabidopsis thaliana protein fragment SEQ ID NO: 47722.	
XX KW	Protein identification: signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.	
KW KM	Arabidopsis thaliana.	
OS XX	EP1033405-A2.	
PN XX	06-SEP-2000.	
PD XX	25-FEB-2000; 2000EP-0301439.	
PF XX	25-FEB-1999; 99US-0121825.	
PR	05-MAR-1999; 99US-0123180.	
PR	09-MAR-1999; 99US-0123548.	
PR	23-MAR-1999; 99US-0125788.	
PR	25-MAR-1999; 99US-0126264.	
PR	29-MAR-1999; 99US-0126785.	
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PR	06-APR-1999; 99US-0128234.	
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Query Match 36.2%; Score 106; DB 21; Length 349;
Best Local Similarity 36.4%; Pred. NO.2.4e-05;
Matches 16; Conservative 8; Mismatches 18; Indels 2; Gaps 1;

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RESULT 32
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DT 17-OCT-2000 (first entry)
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
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OS Arabidopsis thaliana.
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PN EP1033405-A2.
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PD 06-SEP-2000.
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PR 06-APR-1999; 99US-0128234.
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Query Match 36.2%; Score 106; DB 21; Length 351;
Best Local Similarity 36.4%; Pred. No. 2.4e-05;
Matches 16; Conservative 8; Mismatches 18; Indels 2; Gaps 1;

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RESULT 33
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AC AAG37252;
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XX 18-OCT-2000 (first entry)
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XX Protein identification: signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
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XX Arabidopsis thaliana.
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PR 27-AUG-1999; 99US-0151065.
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PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
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PR 10-SEP-1999; 99US-0153070.
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Query Match

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Best Local Similarity 36.4%; Pred. No. 2.5e-05;
Matches 16; Conservative 8; Mismatches 18; Indels 2; Gaps 1;

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RESULT 34

AAG38655

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AC AAG38655;

DT 18-OCT-2000 (first entry)

DE Arabidopsis thaliana protein fragment SEQ ID NO: 47721.

KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

PD 06-SEP-2000.

PF 25-FEB-2000; 2000EP-0301439.

XX 25-FEB-1999; 99US-0121825.

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DT 17-OCT-2000 (first entry)	
XX	
DE Arabidopsis thaliana protein fragment SEQ ID NO: 5407.	
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KW Protein identification; signal transduction pathway; metabolic pathway;	
KW hybridisation assay; genetic mapping; gene expression control; promoter;	
KW termination sequence.	
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OS Arabidopsis thaliana.	
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PN EP1033405-A2.	
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PR 16-APR-1999;	99US-0129845.
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PR 28-MAY-1999;	99US-0136782.
PR 01-JUN-1999;	99US-0137222.
PR 03-JUN-1999;	99US-0137528.
PR 04-JUN-1999;	99US-0137502.
PR 07-JUN-1999;	99US-0137724.
PR 08-JUN-1999;	99US-0138094.
PR 10-JUN-1999;	99US-0138540.
PR 10-JUN-1999;	99US-0138847.
PR 14-JUN-1999;	99US-0139119.
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DT	18-OCT-2000 (first entry)		PR	18-JUN-1999;	99US-0139763.
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XX			PR	23-JUN-1999;	99US-0140353.
KW	Protein identification; signal transduction pathway; metabolic pathway;		PR	23-JUN-1999;	99US-0140354.
KW	hybridisation assay; genetic mapping; gene expression control; promoter;		PR	24-JUN-1999;	99US-0140695.
KW	termination sequence.		PR	28-JUN-1999;	99US-0140823.
XX			PR	29-JUN-1999;	99US-0140991.
OS	Arabidopsis thaliana.		PR	30-JUN-1999;	99US-0141287.
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PR	18-JUN-1999;	99US-0139457.	PR	20-AUG-1999;	99US-0149722.
PR	18-JUN-1999;	99US-0139458.	PR	20-AUG-1999;	99US-0149723.
PR	18-JUN-1999;	99US-0139459.	PR	20-AUG-1999;	99US-0149929.
PR	18-JUN-1999;	99US-0139460.	PR	23-AUG-1999;	99US-0149920.
PR	18-JUN-1999;	99US-0139461.	PR	23-AUG-1999;	99US-0149930.
PR	18-JUN-1999;	99US-0139462.	PR	25-AUG-1999;	99US-0150566.
PR	18-JUN-1999;	99US-0139463.	PR	26-AUG-1999;	99US-0150884.
PR	18-JUN-1999;	99US-0139750.	PR	27-AUG-1999;	99US-0151065.

Query	March	36.2%	Score 106;	DB 21;	Length 380;
Best Local	Similarity	36.4%;	Pred. No. 2.7e-05;		
Matches	16; Conservative	8;	Mismatches 18;	Indels	2; Gaps 1.
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RESULT	37				
ID	AAG08028				
	AAG08028 standard; Protein; 386 AA.				
XX					
AC	AAG08028;				
XX					
DT	17-OCT-2000 (first entry)				
XX					
DE	Arabidopsis thaliana protein fragment SEQ ID NO: 5406.				
XX					
KW	Protein identification; signal transduction pathway; metabolic pathway; hydridasation assay; genetic mapping; gene expression control; promoter; termination sequence.				

XX	Arabidopsis thaliana.	25-FEB-1999;	99US-0121825
OS		09-MAR-1999;	99US-0123180
XX	EP1033405-2.	05-MAR-1999;	99US-0123548
PN		23-MAR-1999;	99US-0125788
XX		29-MAR-1999;	99US-0126264
XX		29-MAR-1999;	99US-0126785
PD	06-SEP-2000.	01-APR-1999;	99US-0127462
XX		06-APR-1999;	99US-0128234
XX		08-APR-1999;	99US-0128714
XX		16-APR-1999;	99US-0129645
XX		19-APR-1999;	99US-0130077
PR		21-APR-1999;	99US-0130449
PR		23-APR-1999;	99US-0130510
PR		28-APR-1999;	99US-0130891
PR		30-APR-1999;	99US-0131449
PR		30-APR-1999;	99US-0132048
PR		03-MAY-1999;	99US-0132407
PR		04-MAY-1999;	99US-0132484
PR		05-MAY-1999;	99US-0132485
PR		06-MAY-1999;	99US-0132486
PR		07-MAY-1999;	99US-0132863
PR		11-MAY-1999;	99US-0134218
PR		14-MAY-1999;	99US-0134219
PR		14-MAY-1999;	99US-0134221
PR		14-MAY-1999;	99US-0134370
PR		18-MAY-1999;	99US-0134768
PR		19-MAY-1999;	99US-0134941
PR		20-MAY-1999;	99US-0135124
PR		21-MAY-1999;	99US-0135353
PR		25-MAY-1999;	99US-0135629
PR		27-MAY-1999;	99US-0136592
PR		28-MAY-1999;	99US-0136782
PR		01-JUN-1999;	99US-0137222
PR		03-JUN-1999;	99US-0137528
PR		04-JUN-1999;	99US-0137502
PR		07-JUN-1999;	99US-0137724
PR		08-JUN-1999;	99US-0138094
PR		10-JUN-1999;	99US-0138540
PR		10-JUN-1999;	99US-0138847
PR		14-JUN-1999;	99US-0139191
PR		16-JUN-1999;	99US-0139452
PR		16-JUN-1999;	99US-0139453
PR		17-JUN-1999;	99US-0139492
PR		18-JUN-1999;	99US-0139454
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PR		18-JUN-1999;	99US-0139459
PR		21-JUN-1999;	99US-0139173
PR		21-JUN-1999;	99US-0139817
PR		23-JUN-1999;	99US-0140353
PR		23-JUN-1999;	99US-0140354
PR		24-JUN-1999;	99US-0140695
PR		28-JUN-1999;	99US-0140823

PF 25-MAY-1999; 99WO-JP02732.
XX
PR 25-MAY-1999; 99WO-JP02732.
XX
PA (NORO) JAPAN MIN AGRIC FORESTRY & FISHERIES.
PI (BIOO-) BIO-ORIENTED TECHNOLOGY RES ADVANCEMENT.
XX
PI Hirochika H, Abe K;
XX WPI: 2001-061354/07.
DR N-PSDB; AAC88125.
XX
XX Rice-originated oligonucleotides encoding gene regulating ethylene
PT synthesis in plant, for producing transformants and genetically
PT modified plants with promoted side-root elongation and crown-water
PT resistance
XX
PS Claim 1; Fig 1; 35pp; Japanese.
XX
CC The present invention describes oligonucleotides encoding a gene
CC producing a product capable of regulating ethylene synthesis. Also
CC described are: (1) a vector containing the oligonucleotides which can
CC be ligated to operate the control sequence; (2) a plant transformed
CC with the vector; and (3) a method for regulating ethylene synthesis
CC in a plant by introducing the oligonucleotides into it. The gene can
CC be used in producing transformants and genetically modified plants.
CC Plants produced by the method have increased side-root elongation.
CC Crown-water resistance and improved fruit and flower quality retention.
CC The present sequence represents the specifically claimed tosl17 isolated
CC from *Oryza sativa* var. nipponbare, which has ethylene synthesis
CC regulating activity.
XX
SQ Sequence 405 AA;

Query Match 36.28; Score 106; DB 22; Length 405;
Best Local Similarity 32.08; Pred. No. 2.8e-05;
Matches 16; Conservative 13; Mismatches 19; Indels 2; Gaps 1;

OY 2 SLCTGCSDFPHSRDVAIHGCHTFHIOCLQWTFETASRCPCQRIQVG 51
Db 329 avccicisktsmedirelpcnhvfhecvdkwiki--nalcpickadlg 376

RESULT 39
AAG32709
ID AAG32709 standard; Protein: 83 AA.
XX
AC AAG32709;
XX
DT 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SEQ ID NO: 39512.
XX
XX Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence; corn.
XX
OS Zea mays subsp. mays.
XX
XX EP1033405-A2.
PN
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301439.
XX
XX 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.

PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
PR 16-APR-1999; 99US-0129845.
PR 19-APR-1999; 99US-0130077.
PR 21-APR-1999; 99US-0130449.
PR 23-APR-1999; 99US-0130510.
PR 23-APR-1999; 99US-0130891.
PR 28-APR-1999; 99US-0131449.
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PR 07-MAY-1999; 99US-0132487.
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PR 25-MAY-1999; 99US-0136021.
PR 27-MAY-1999; 99US-0136392.
PR 28-MAY-1999; 99US-0136782.
PR 01-JUN-1999; 99US-0137222.
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PR 24-JUN-1999; 99US-0140695.
PR 28-JUN-1999; 99US-0140823.
PR 29-JUN-1999; 99US-0140991.
PR 30-JUN-1999; 99US-0141287.
PR 01-JUL-1999; 99US-0141842.
PR 01-JUL-1999; 99US-0142154.
PR 02-JUL-1999; 99US-0142055.
PR 06-JUL-1999; 99US-0142390.
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PR 27-JUL-1999; 99US-0145919.
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PR 04-AUG-1999; 99US-0147302.
PR 05-AUG-1999; 99US-0147182.
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PR 23-AUG-1999; 99US-0149902.
PR 23-AUG-1999; 99US-0149930.
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PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
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PR 07-SEP-1999; 99US-0152363.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
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PR 28-SEP-1999; 99US-0156458.
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PR 26-OCT-1999; 99US-0161359.
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PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
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PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 35.8%; Score 105; DB 21; Length 83;
Best Local Similarity 41.9%; Pred. No. 7, 1e-06;
Matches 18; Conservative 6; Mismatches 17; Indels 2; Caps 1;

Qy 4 CTICSDFFDHSRDVAALHCHGTHFLQCLIQWFEFAPSTCQC 46
Db 33 cslicetdsdpavscsknefhqcllewqqr--ssqcpmc 73

RESULT 40
AAG32708
ID AAG32708 standard; Protein: 93 AA.
XX
AC AAG32708;
XX
DE 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SEQ ID NO: 39511.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
XX termination sequence; corn.
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
XX 25-FEB-2000; 2000EP-0301439.
PF
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PR 09-MAR-1999; 99US-0123548.
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PR 01-APR-1999; 99US-0127462.
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PR 02-JUL-1999; 99US-0142055.
PR 06-JUL-1999; 99US-0142390.
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PR 12-JUL-1999; 99US-0142977.
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PR 14-JUL-1999; 99US-0143624.
PR 15-JUL-1999; 99US-0144005.
PR 16-JUL-1999; 99US-0144085.
PR 16-JUL-1999; 99US-0144086.
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PR 04-AUG-1999; 99US-0147204.
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PR 10-SEP-1999; 99US-0153070.
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PR 15-SEP-1999; 99US-0154018.
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